

Abstract

A system (1) for metering and delivering a liquid medium, in particular for enteral nutrition in medical applications, comprises a storage container (3) having a certain volumetric capacity and a supply device (4) and a discharge device (5) for the medium, whereby the supply and discharge of the medium to and from the storage container (3) is effected by the force of gravity. A detecting device, e.g. in the form of a pair of spaced diode measuring devices (6, 7) serves for determining at least a lower and at least an upper filling level (8, 9) of the medium in the storage container (3) and for delivering appropriate detection signals. Controllable actuating organs (10, 11) serve for closing or opening the supply device (4) and the discharge device (5), whereby the detection signals from the detecting device (6, 7) are applicable to an internal or external control unit in order to deliver setting signals to the controllable actuating organs (10, 11) according to a given program sequence in dependence on the detection signals. The system enables enteral nutrients to be supplied to a patient with a precise volumetric dosage. It does not need a feed pump.

Fig. 1